

FIG.1

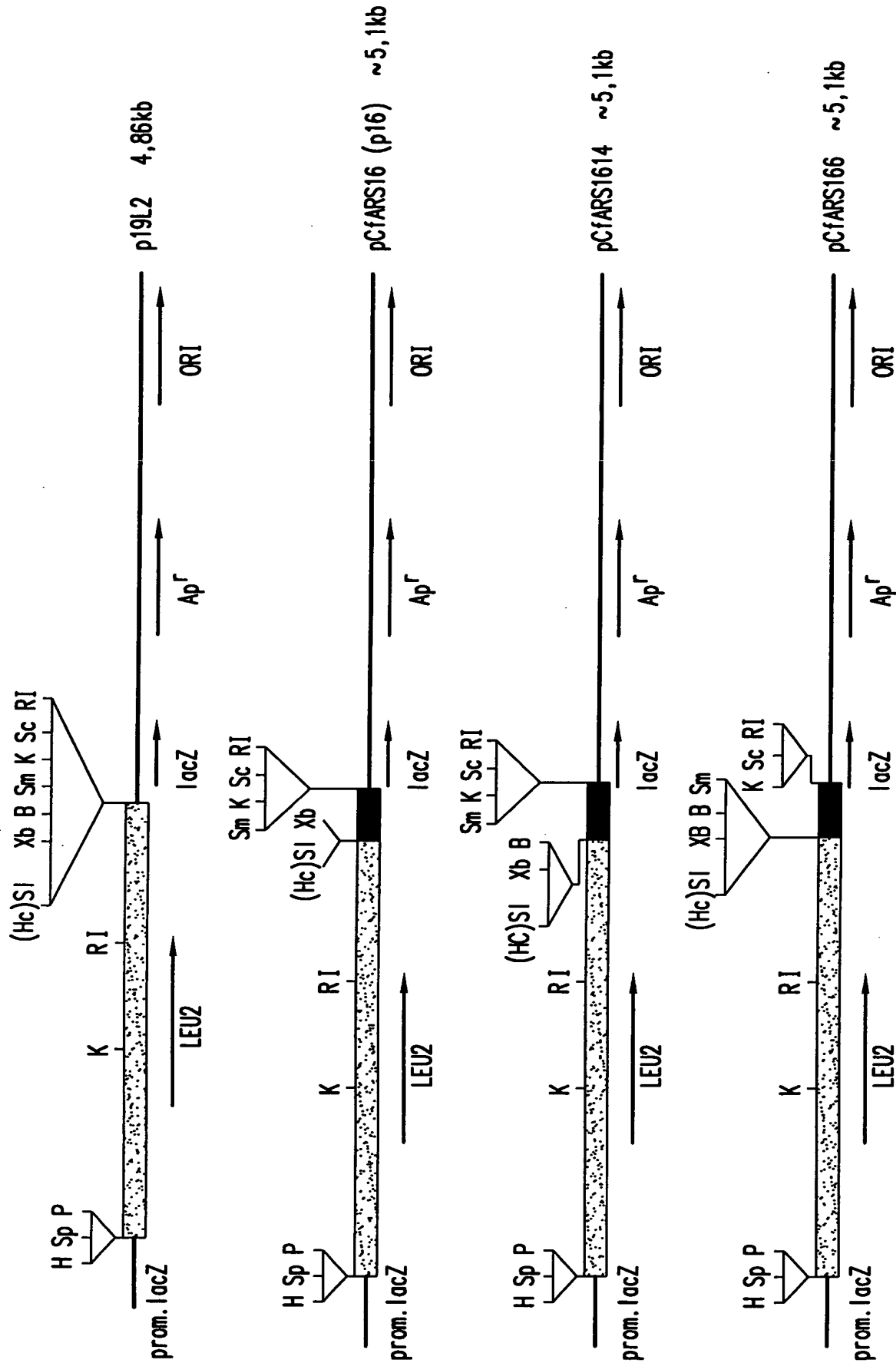
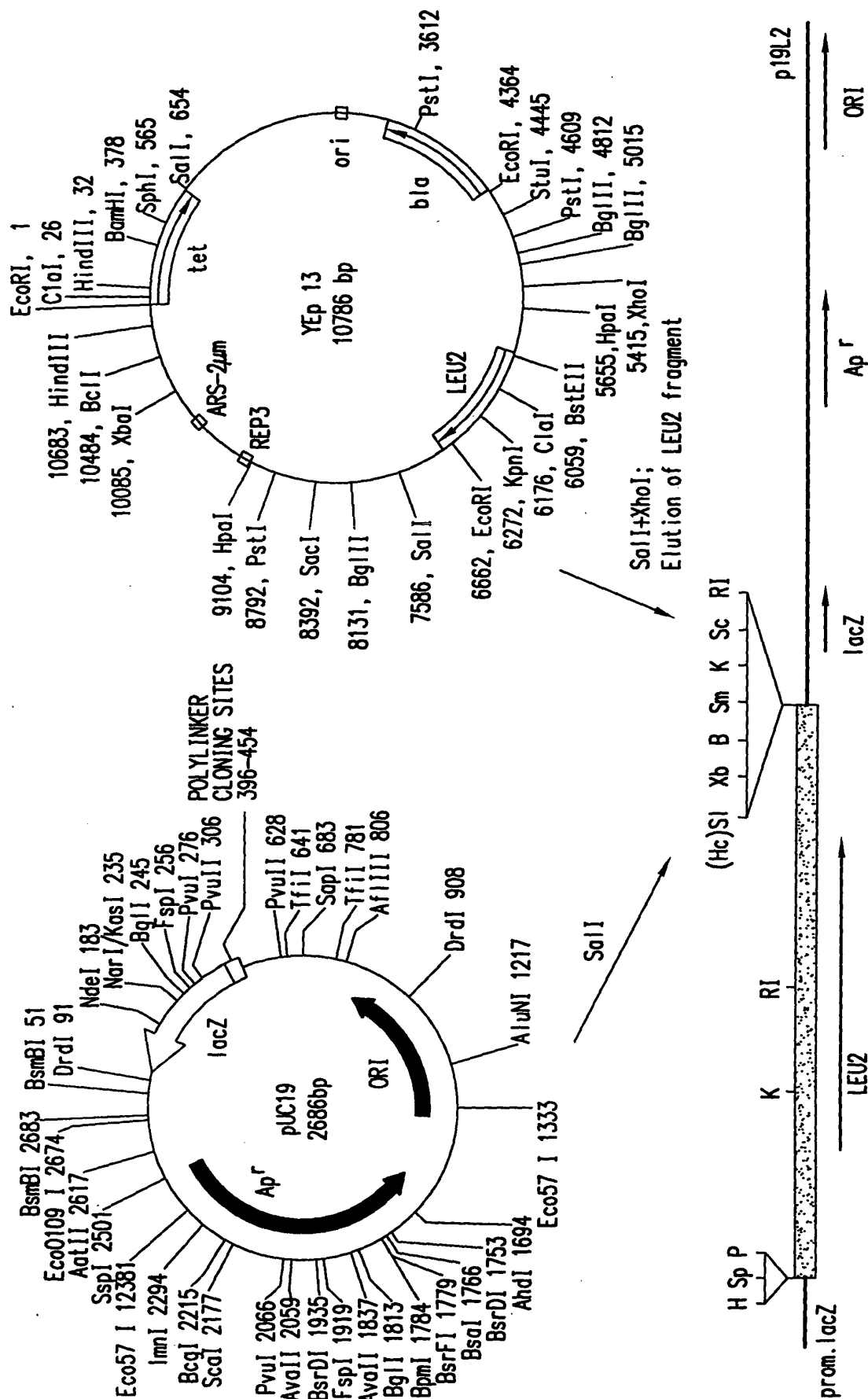


FIG.2



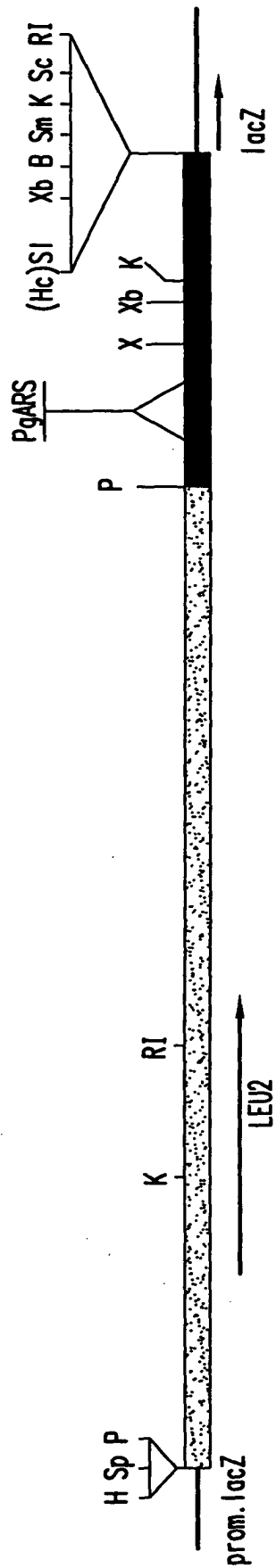


FIG.4

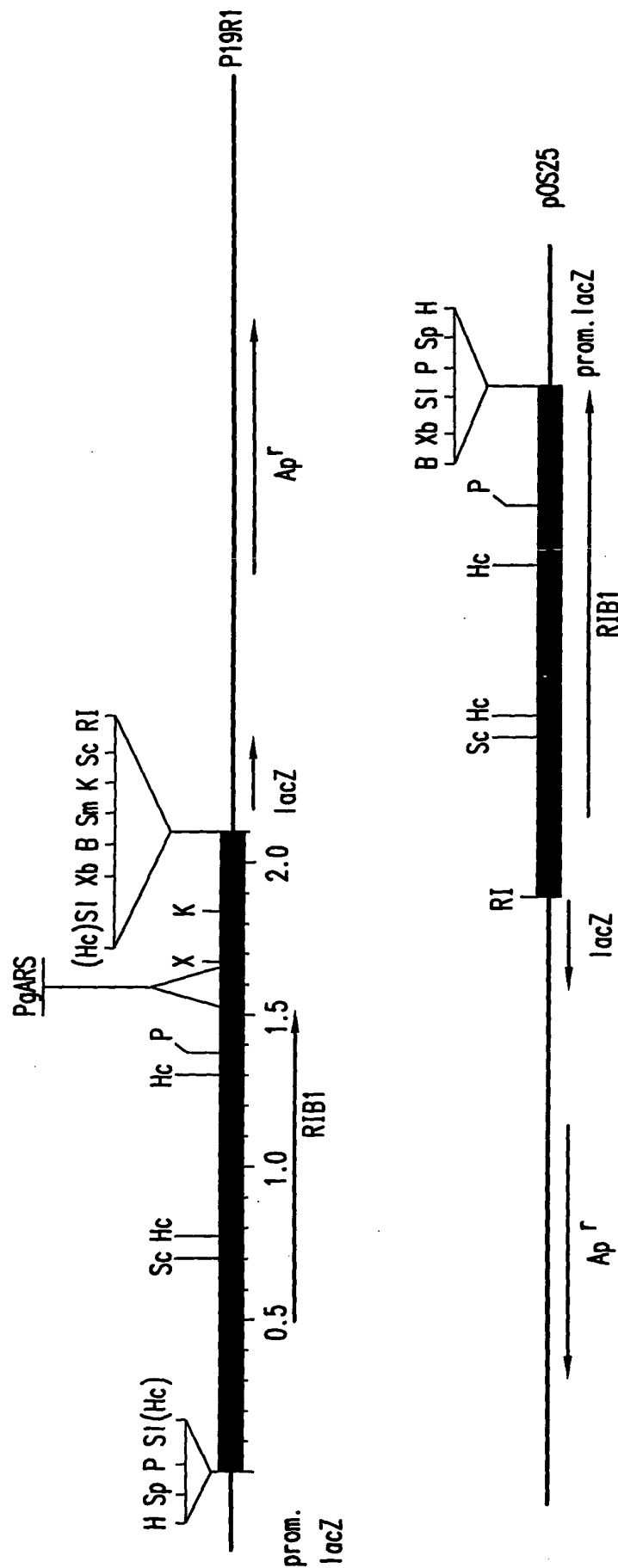


FIG.5

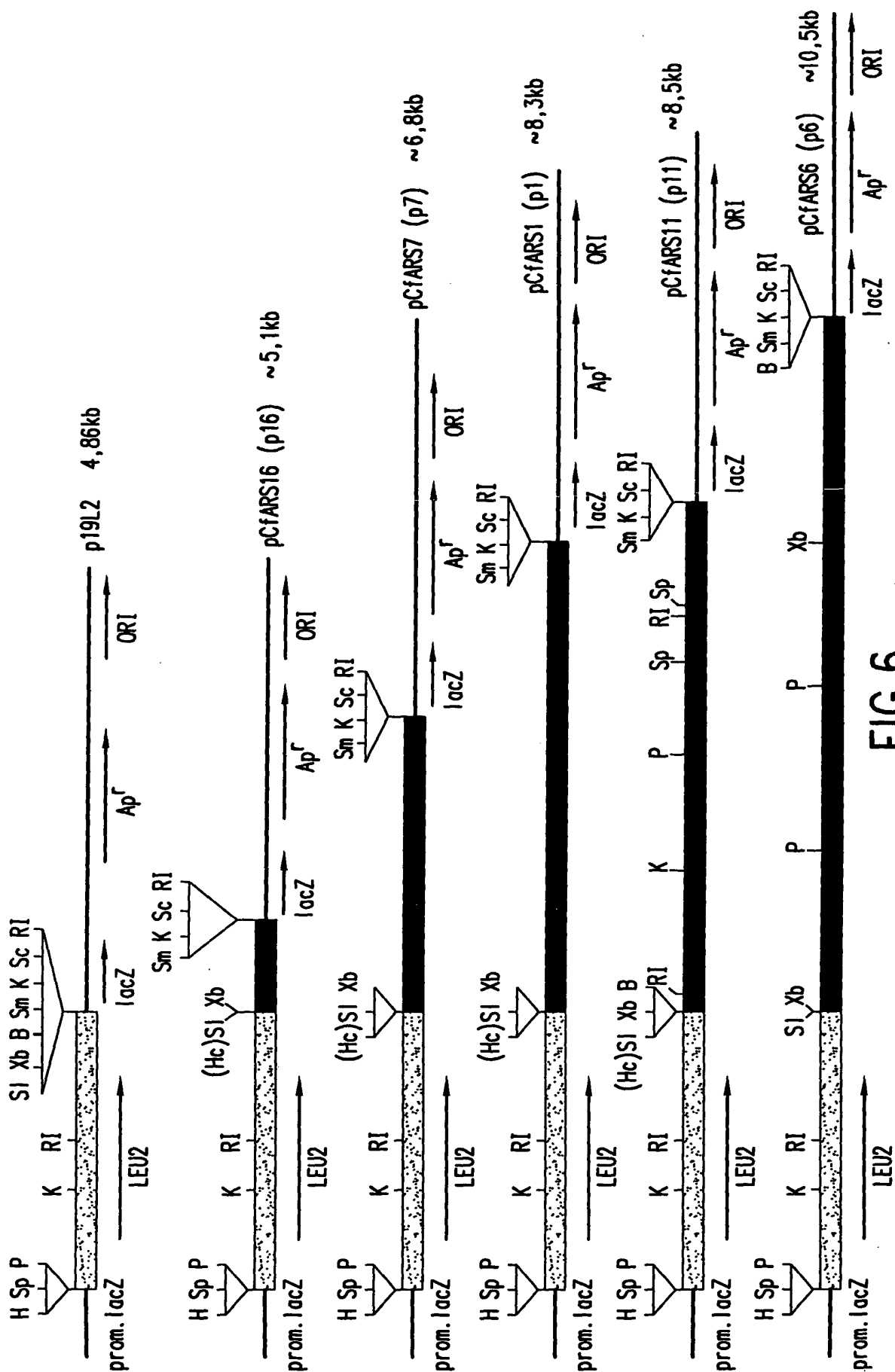


FIG.6

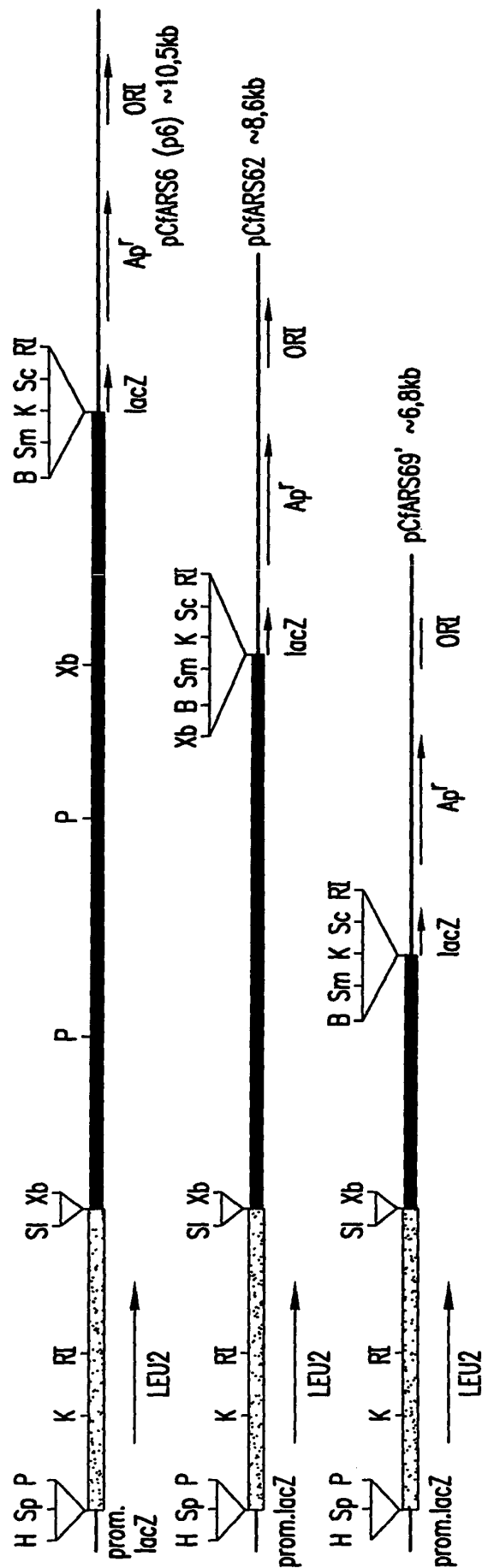


FIG.7

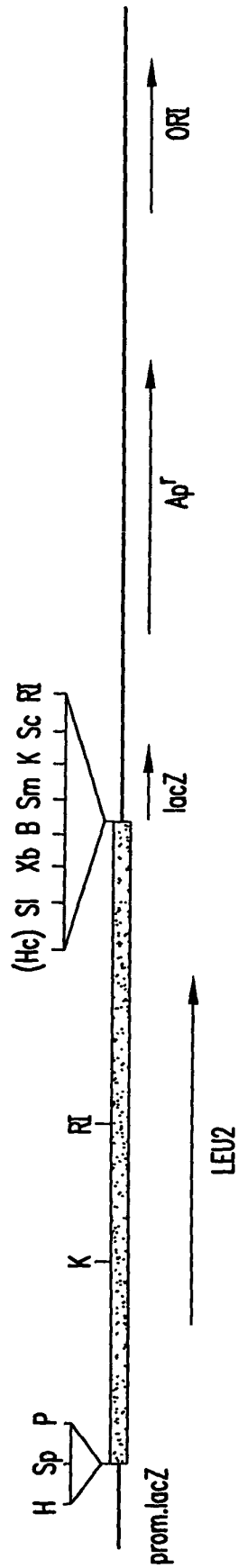


FIG. 8

Appl. No. 09/903,508; Group Art Unit: To Be Assigned
 Dkt. No. 1533,0830003; Batch No.: To Be Assigned
 Inventor(s): Abbas et al.; Tel: 202/371-2600
 Title: Transformation Systems for Flavonogenic Yeast

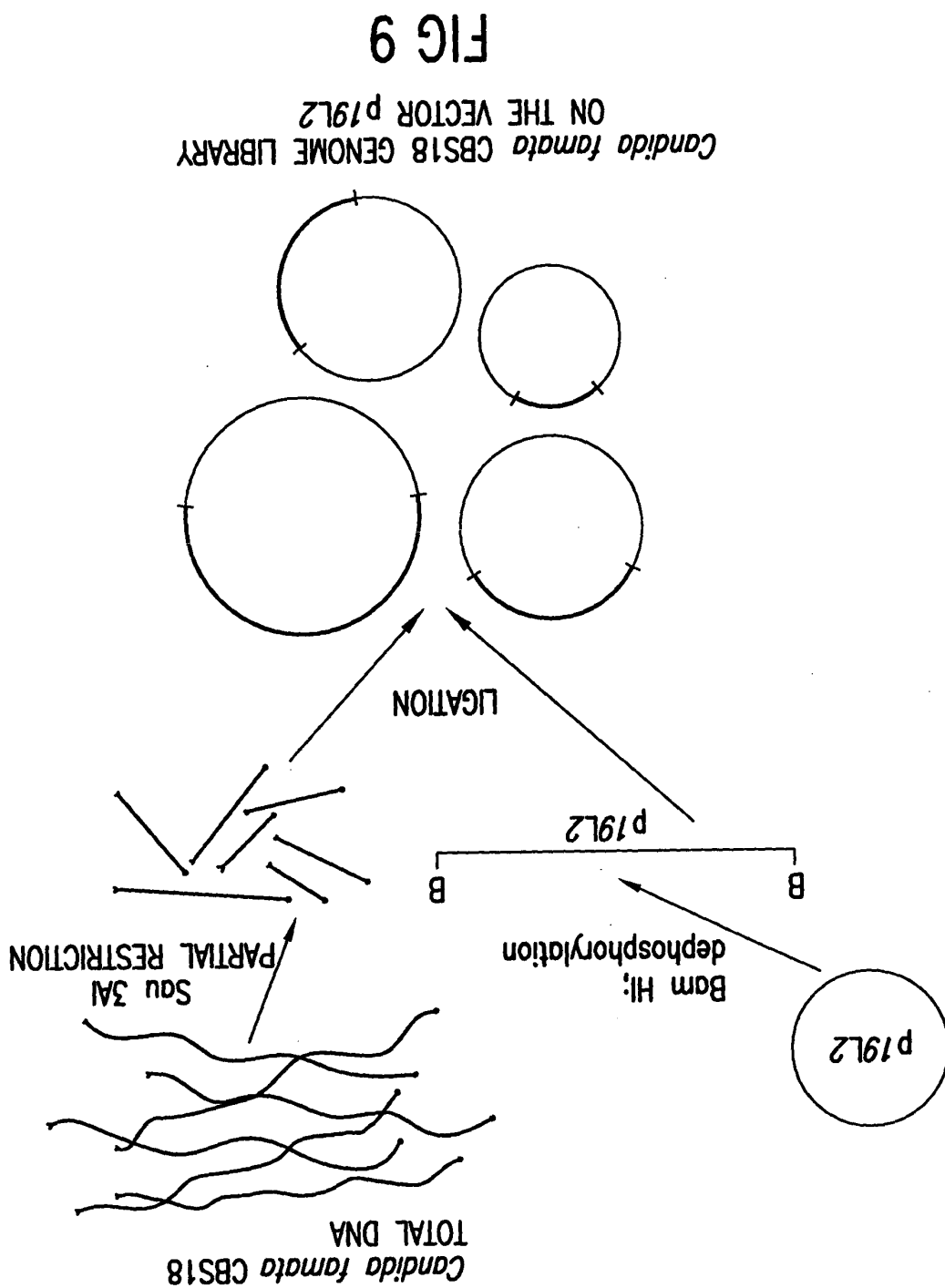


FIG 9

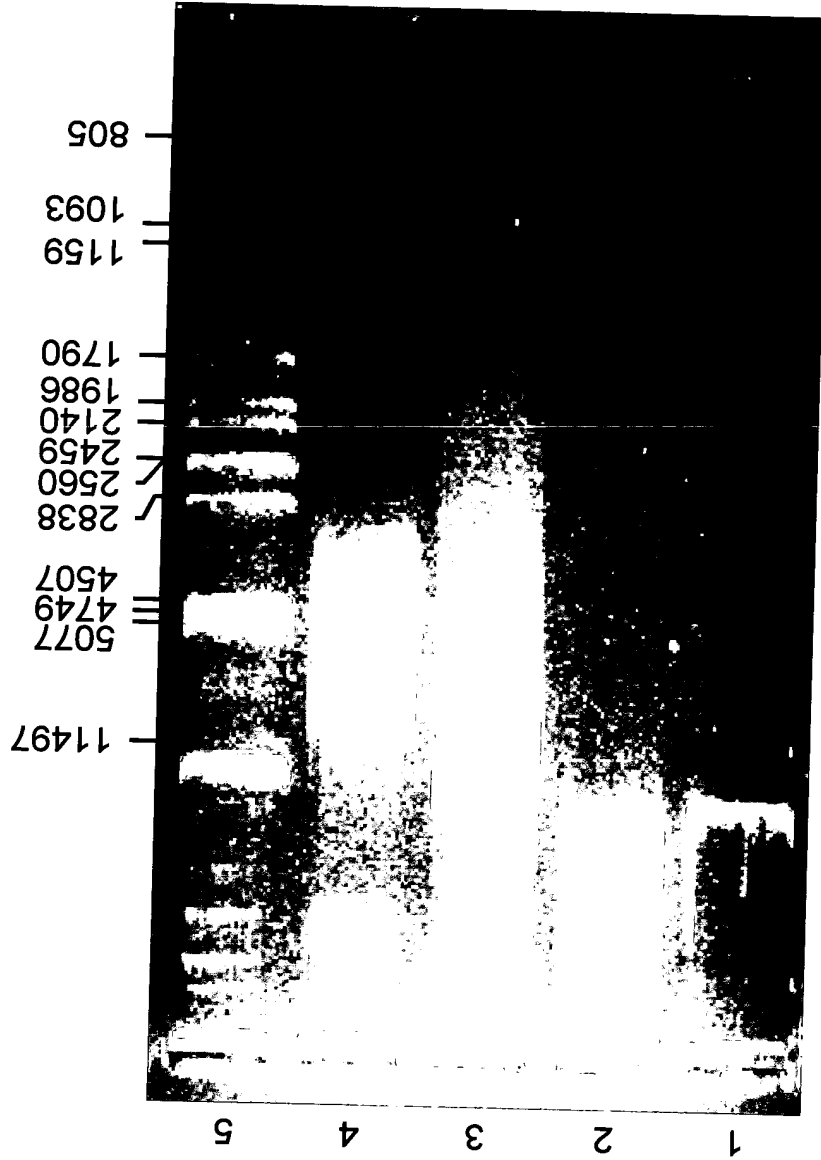


FIG. 10

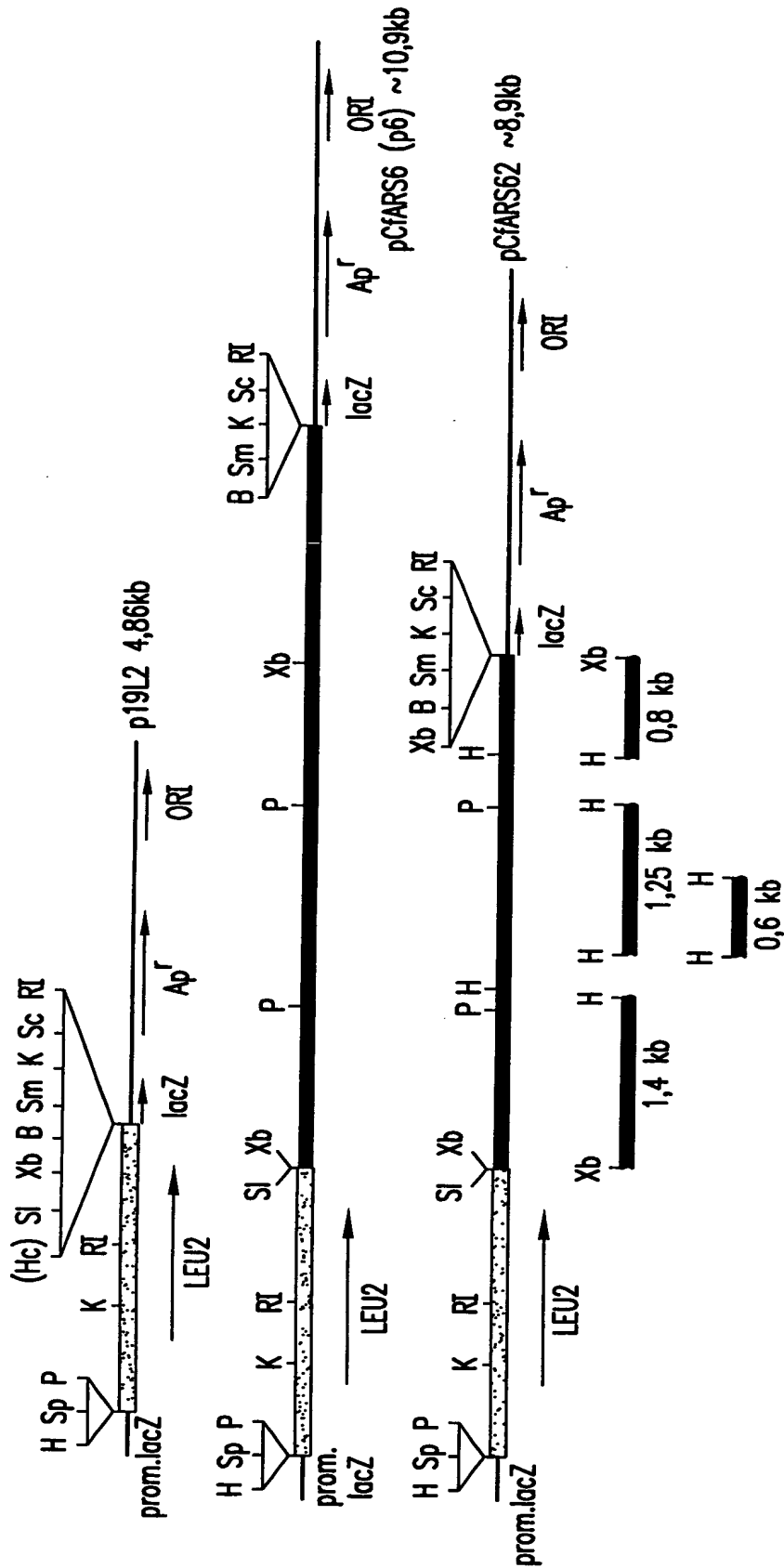
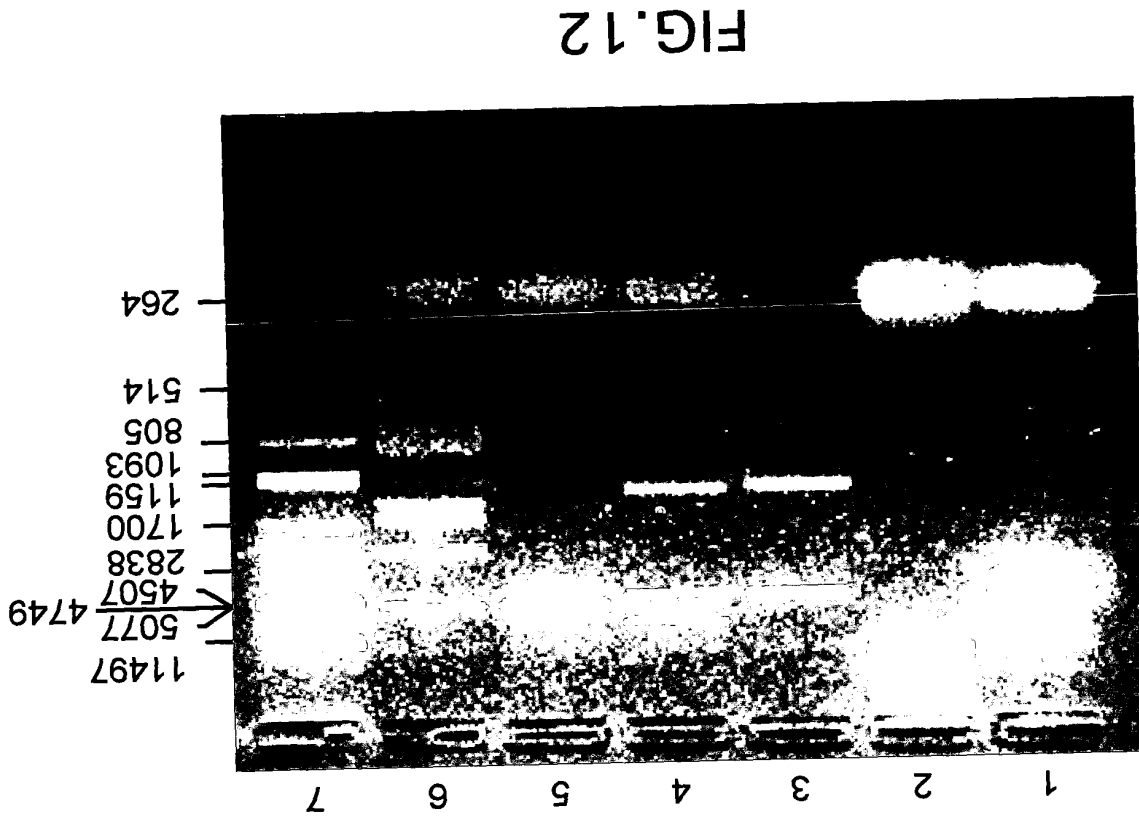


FIG.11



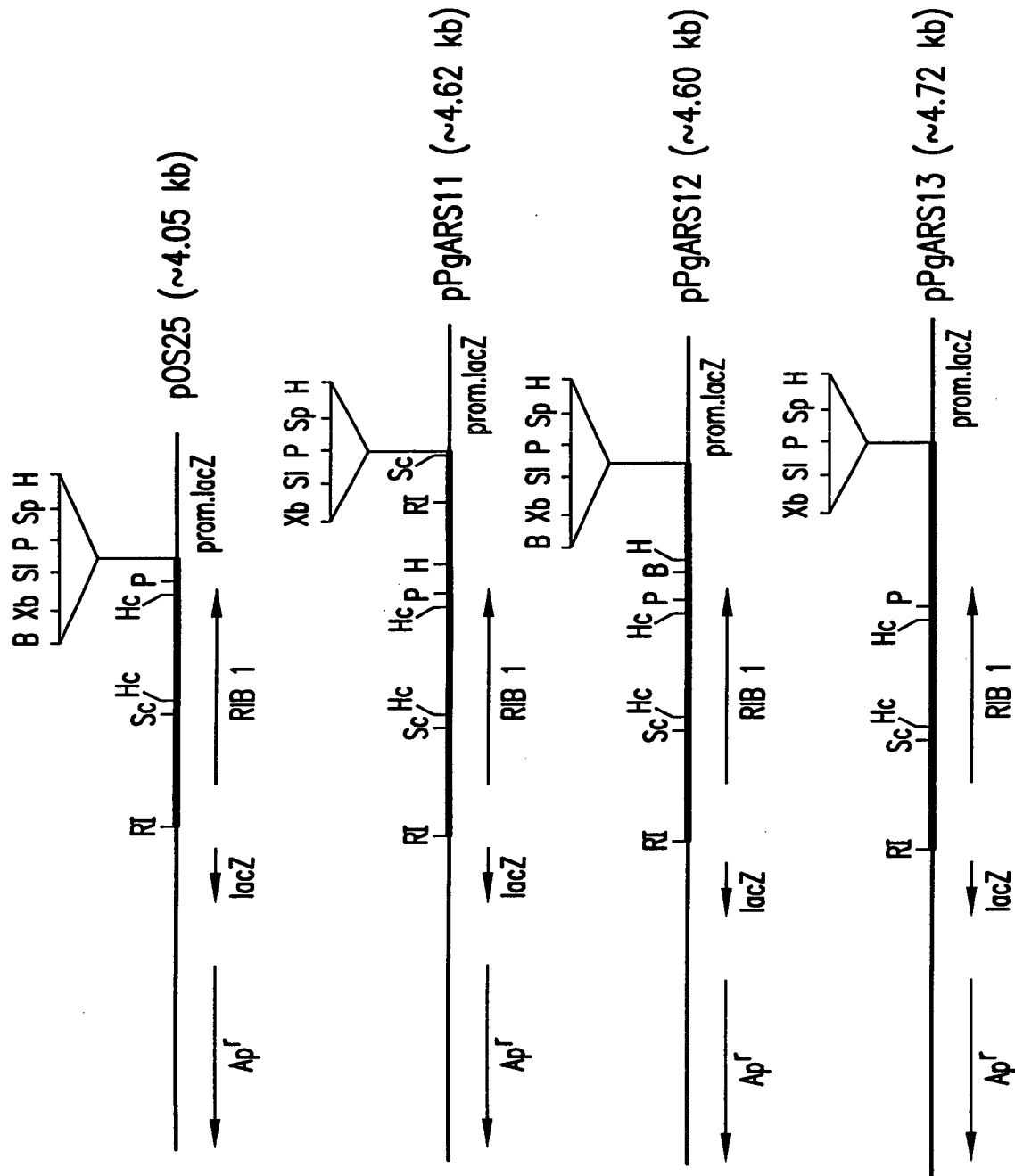


FIG.13

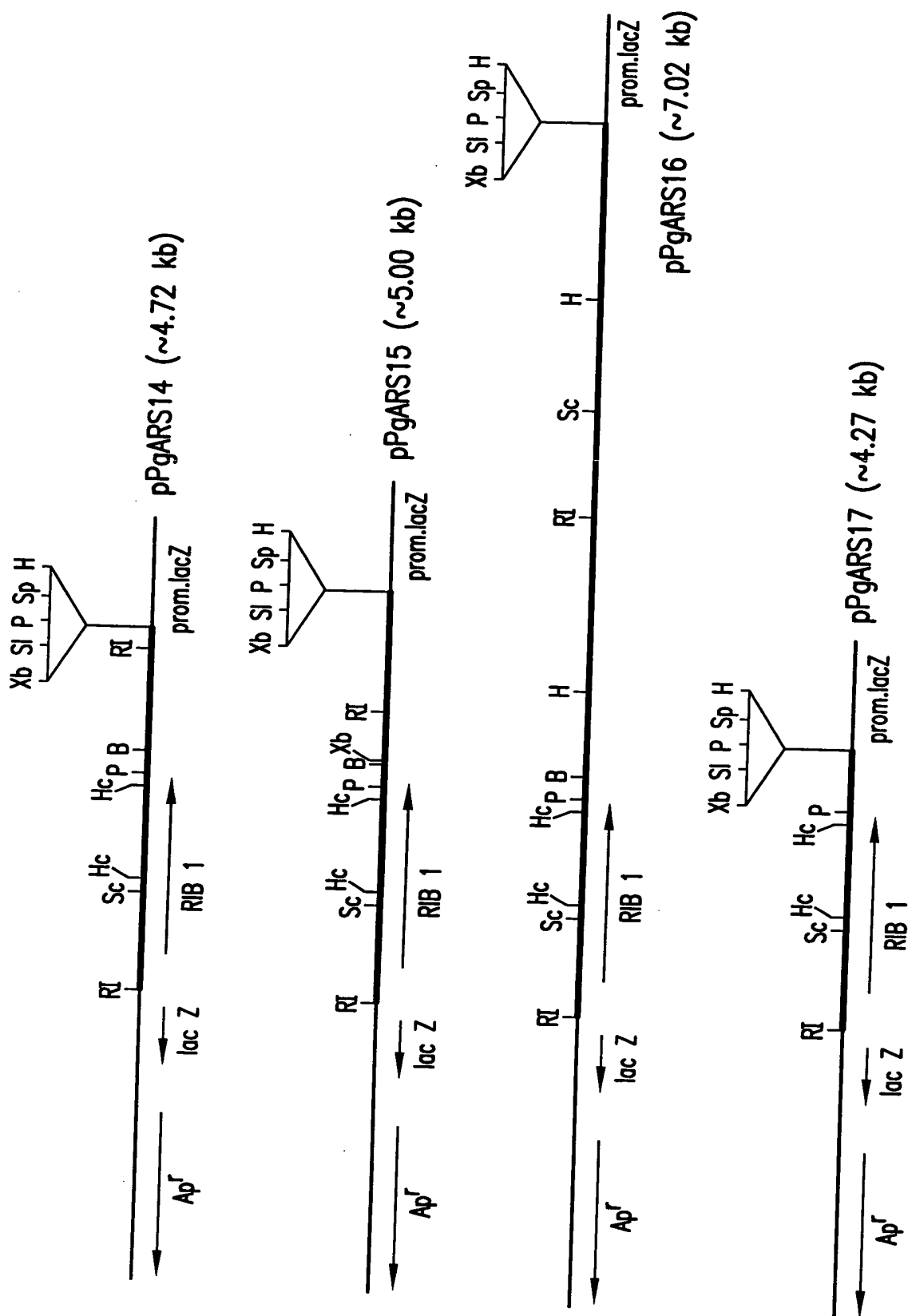


FIG. 14

<400> 1

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ggttttccaa aatttaaat gatttttttag aaagtcctaa aaaatagaat cataccaaat 180
aaagaacaac tttaaagtcac tatgacaaat tcagaaatac aatcgtatga tccgttcatg 240
gataaagctg caaagtcaca agcaaggcta actaagatcc tctaggggga tcctctagag 300
tcgactacgt cgtaaggcc gtttctgaca gagtaaaatt cttgaggga ctttcaccat 360
tatgggaaat ggttcaagaa ggtattgact taaactccat caaatgggtca ggtcattgag 420
tgttttttat ttgttgtatt ttttttttt tagagaaaat cctccaatat ataaattagg 480
aatcatagtt tcatgatttt tagagaaaat cctccaatat ataaattagg aatcatagtt 540
tcatgatttt ctgttacacc taactttttg tgtgngccc tcctccttgt caatattaat 600
ctgttacacc taactttttg tgtgngccc tcctccttgt caatattaat gttaaagtgc 660
aattcttttt ccttatcacg ttgagccatt agtatcaatt gttaaagtgc aattcttttt 720
ccttatcacg ttgagccatt agtatcaatt tgcttacctg tattccttta catcctcctt 780
tttctccttc ttgataaatg tgcttacctg tattccttta catcctcctt tttctccttc 840
ttgataaatg tatgtagatt gcgtatatag tttcgtctac cctatgaaca tattccattt 900
tatgtagatt gcgtatatag tttcgtctac cctatgaaca tattccattt tgtaatttcg 960
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tttactgctc ttcaagggtt taccttntca ggcaggtcaa tgacaattca catcntgcnc 1380
anacnaaaaa nggcttttca gcaggtcaan gcaatttcac atcntgcnc aaaananagt 1440
ggcgatnggg tgacctntnt ttggcaacga tngggtgacc tatntttgca aac 1493

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FIG.15

ppl. No. 09/903,508; Group Art Unit: To Be Assigned
kt. No. 1533,0830003; Batch No.: To Be Assigned
ventor(s): Abbas et al.; Tel: 202/371-2600
itle: Transformation Systems for Flavinogenic Yeast

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tatgcacatt cgcacgccga ggtgcagcgt ttaggcgcgg ctcaacggaa gccaacggcc 60
gccacaaatt gtccggaaag tcgccgaaac tgatccactg gtaccacagc cccataagaa 120
ccccctttaa tattaataaac cgttcttcag ccacttttga tcacattggt tgcagccgcc 180
cgttgctgcc atccaaacac cacgcgtccc cgcaccctt ttacggtgcc cactgcattg 240
gaatttgcat aaaacagcct cacgaagtgg attaattttt agagcactca agtcatcatg 300
ctgcaatctc tgcattcatga aatgactccc gttgatacag ggaactcaga ccgcaagcgg 360
cgaagagtca caagagcgtg tgatgtgtgt cgactctaga ggatccccgg gtac 414
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FIG.16

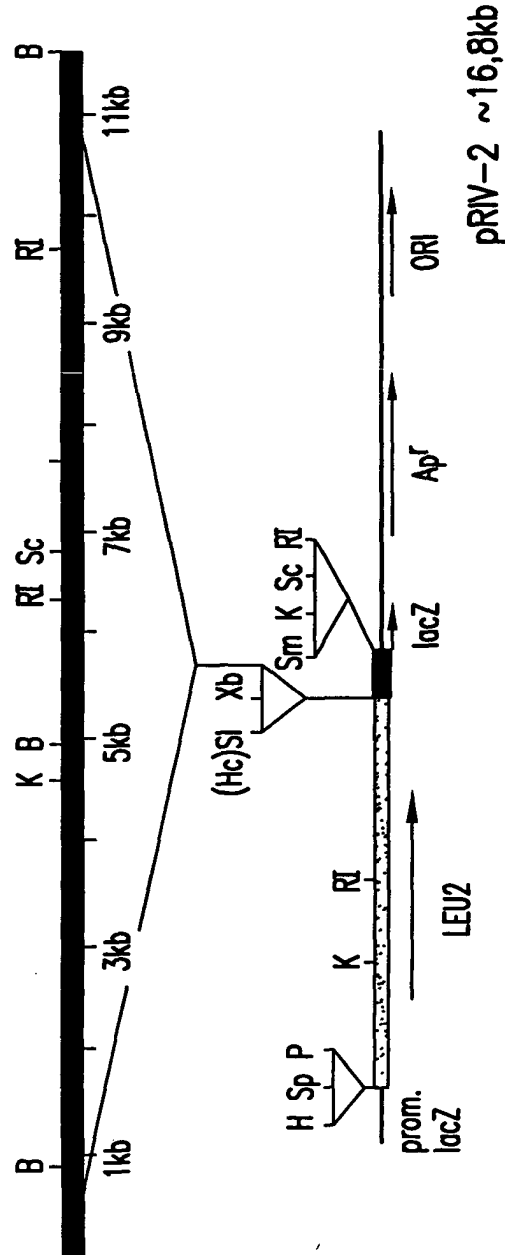


FIG. 17

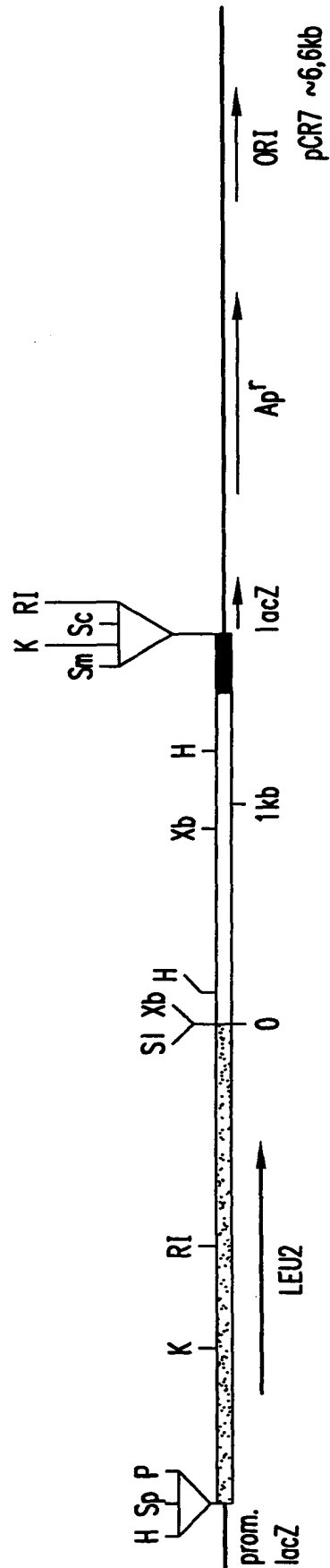


FIG. 18

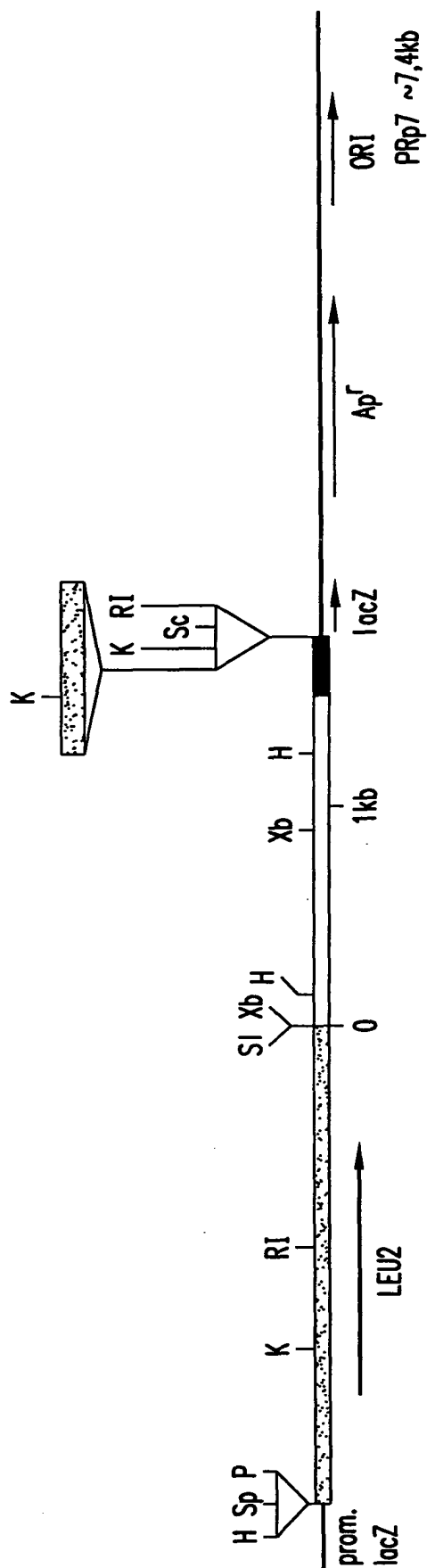


FIG.19

Appl. No. 09/903,508; Group Art Unit: To Be Assigned
 Dkt. No. 1533.0830003; Batch No.: To Be Assigned
 Inventor(s): Abbas et al.; Tel: 202/371-2600
 Title: Transformation Systems for Flavinogenic Yeast

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tgattacgaa ttcgagctcg gtacccgggg atcatgaatg ctagtctttt tacactgaat 60
atTTTTTTaa cgatTTTTta ataattttgc aatcatttaa gaaaaaccac aaatggTTTT 120
ccaaaattta aattgatttt ttagaaagtc ctaaaaaata gaatcatacc aaataaagaa 180
caacttaaag tcactatgac aaattcagaa atacaatcgt atgatccggt catggataaa 240
gctgcaaagt cacaagcaag gctaactaag atcctctaga gtcgactacg tcgttaaggc 300
cgtttctgac agagtataat tcttgaggga actttcacca ttatgggaaa tggttcaaga 360
aggtattgac ttaaactcca tcaaattggc aggtcattga gtgtttttta tttgntgtat 420
TTTTTTTTtt ttagagaaaa tcctccaata tataaattag gaatcatagt ttcattgattt 480
tctgtta                                         487
    
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FIG.20

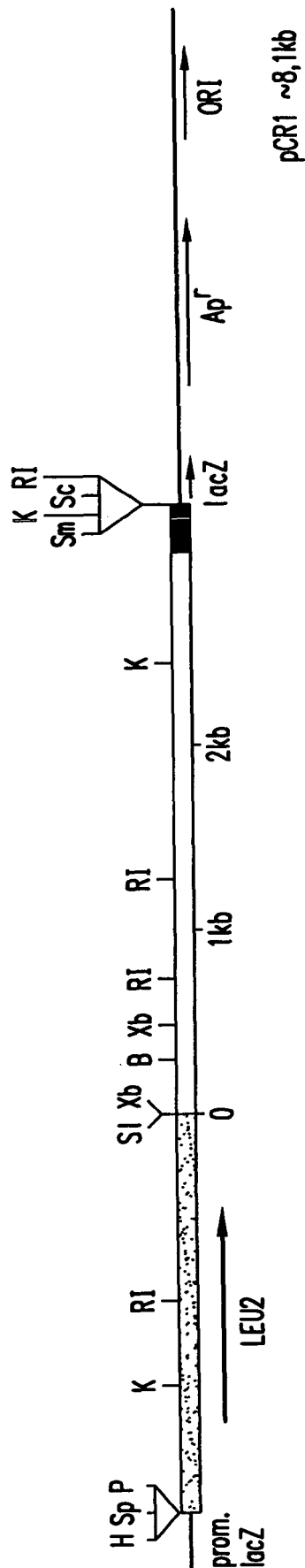


FIG. 21

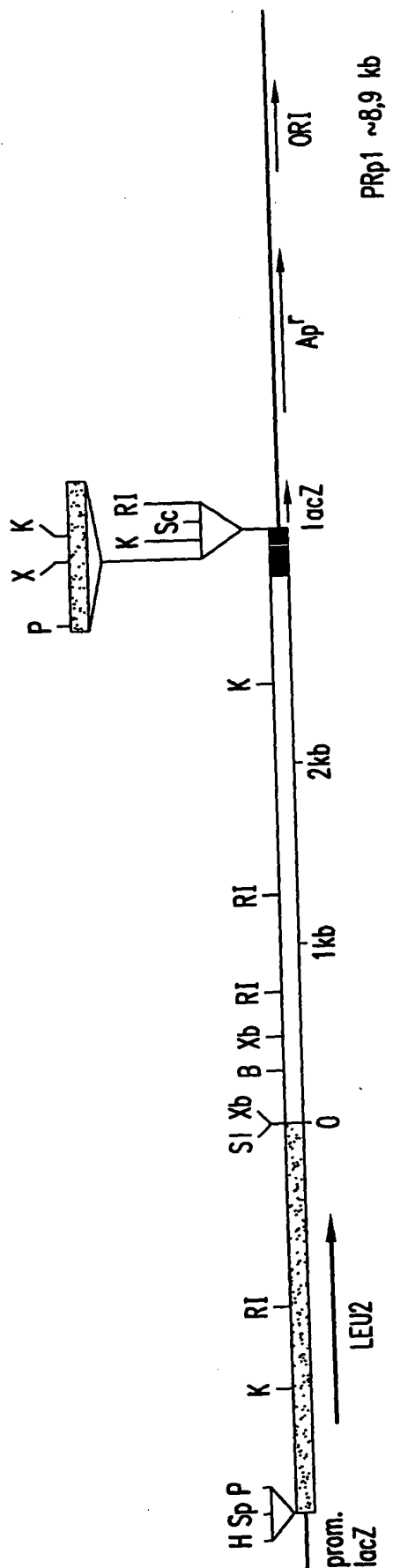


FIG. 22

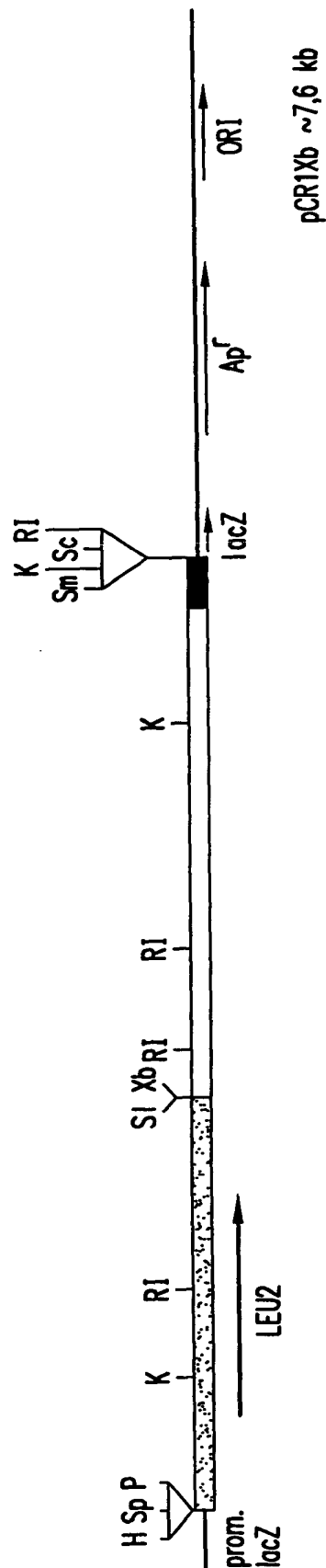


FIG. 23

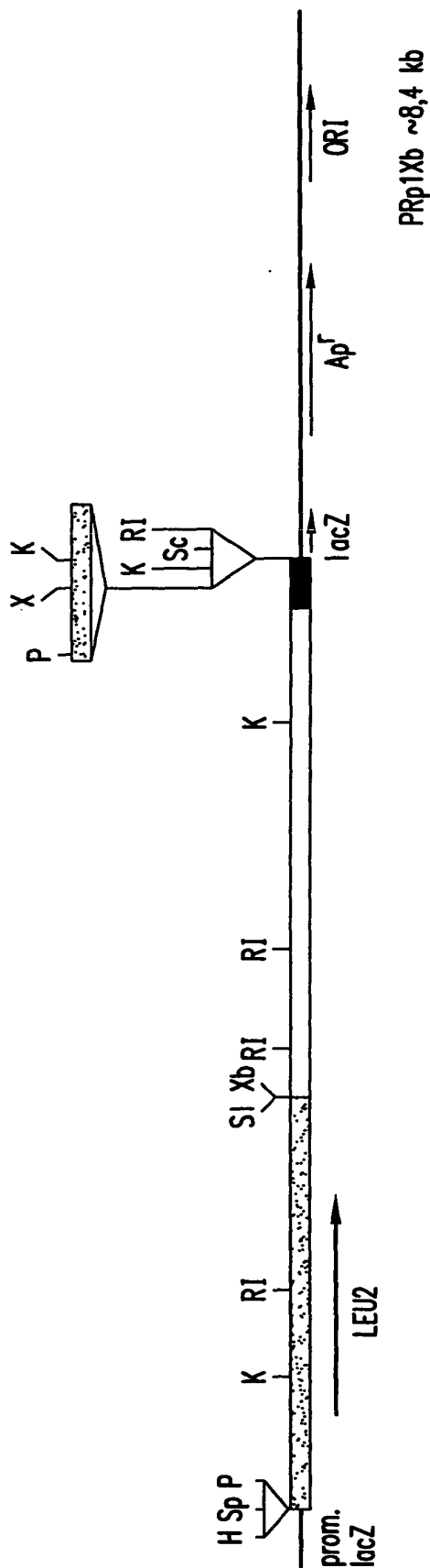


FIG. 24

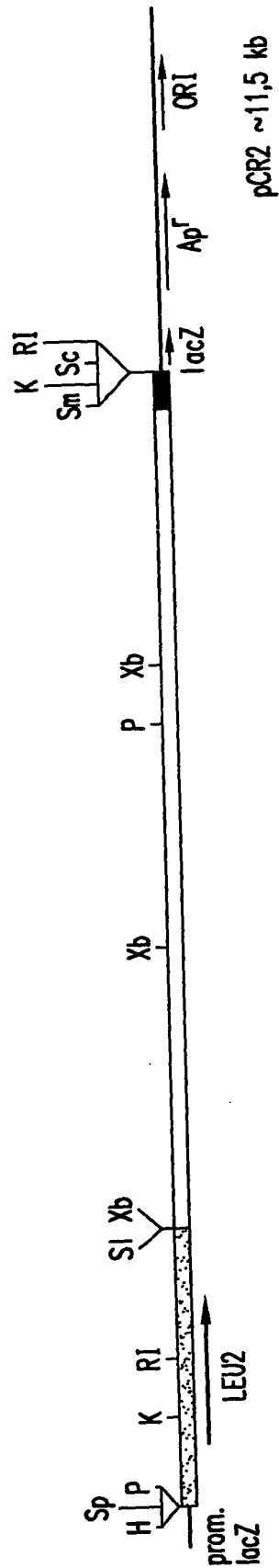


FIG. 25

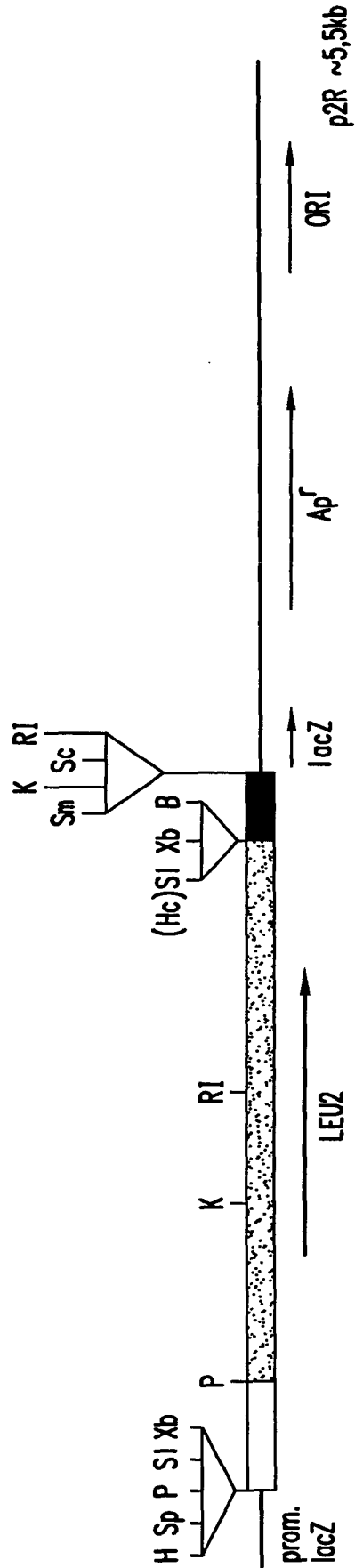


FIG. 26

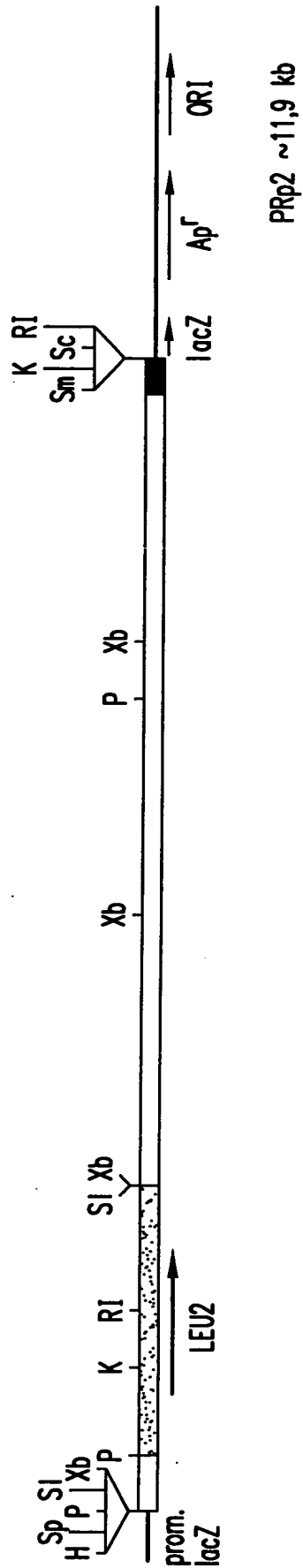


FIG. 27

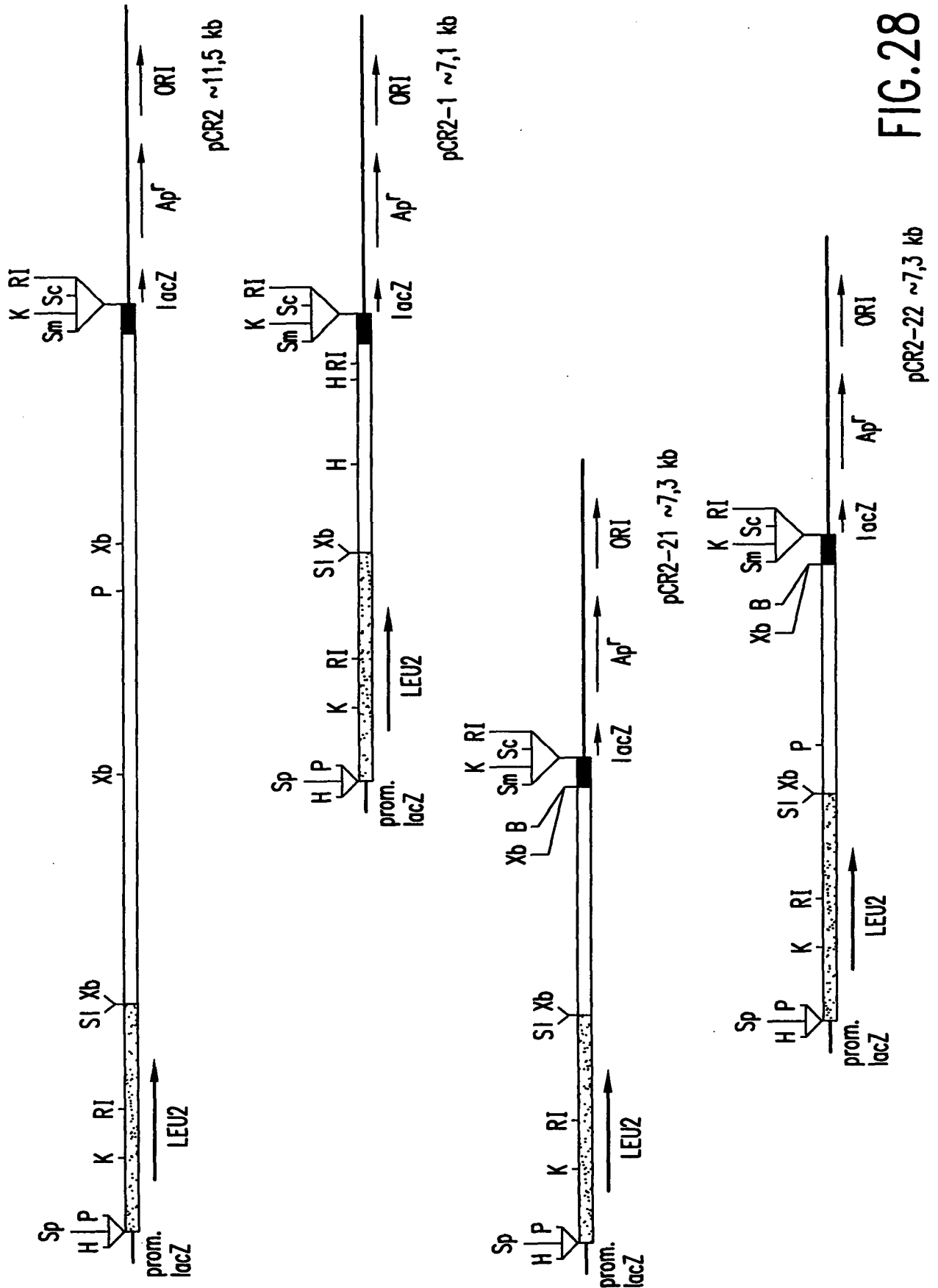


FIG.28

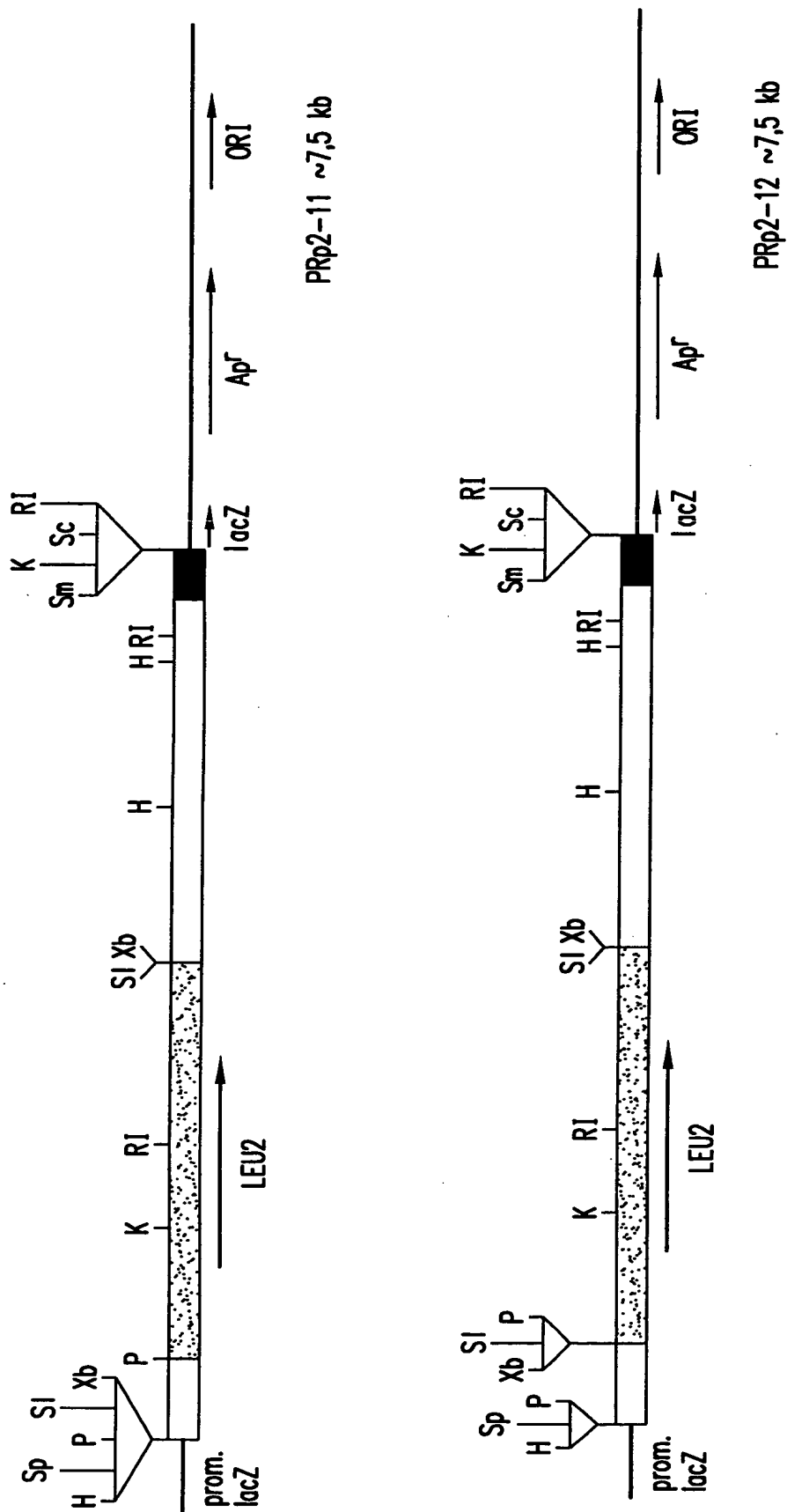


FIG.29

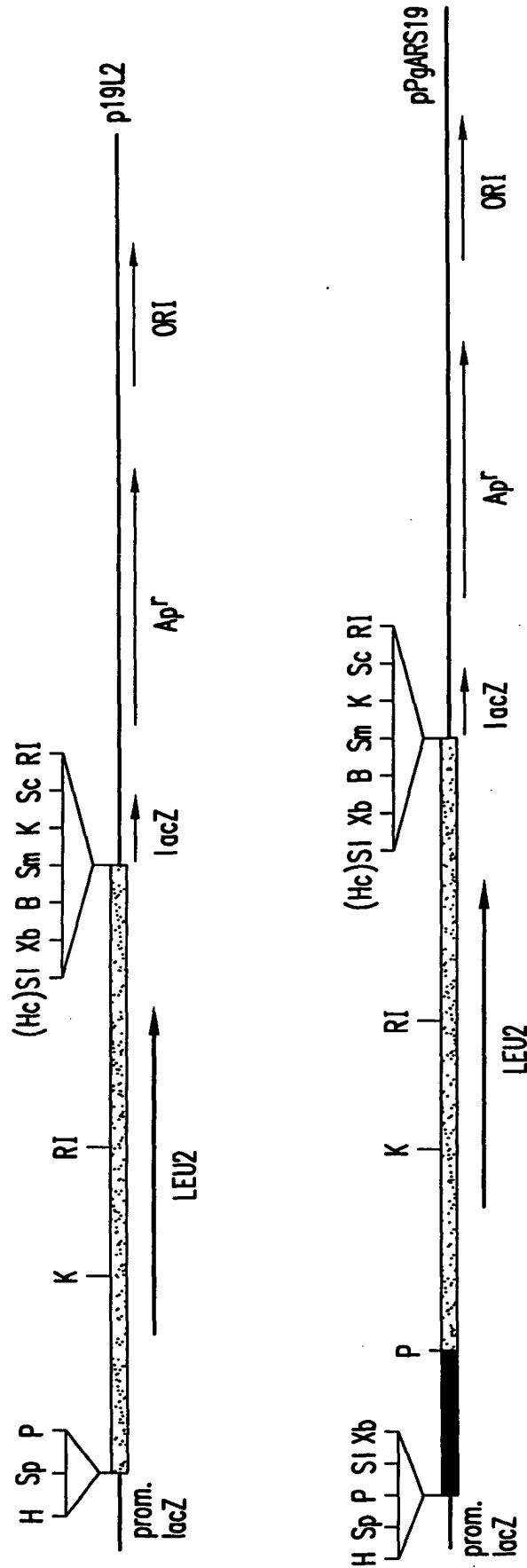


FIG.30



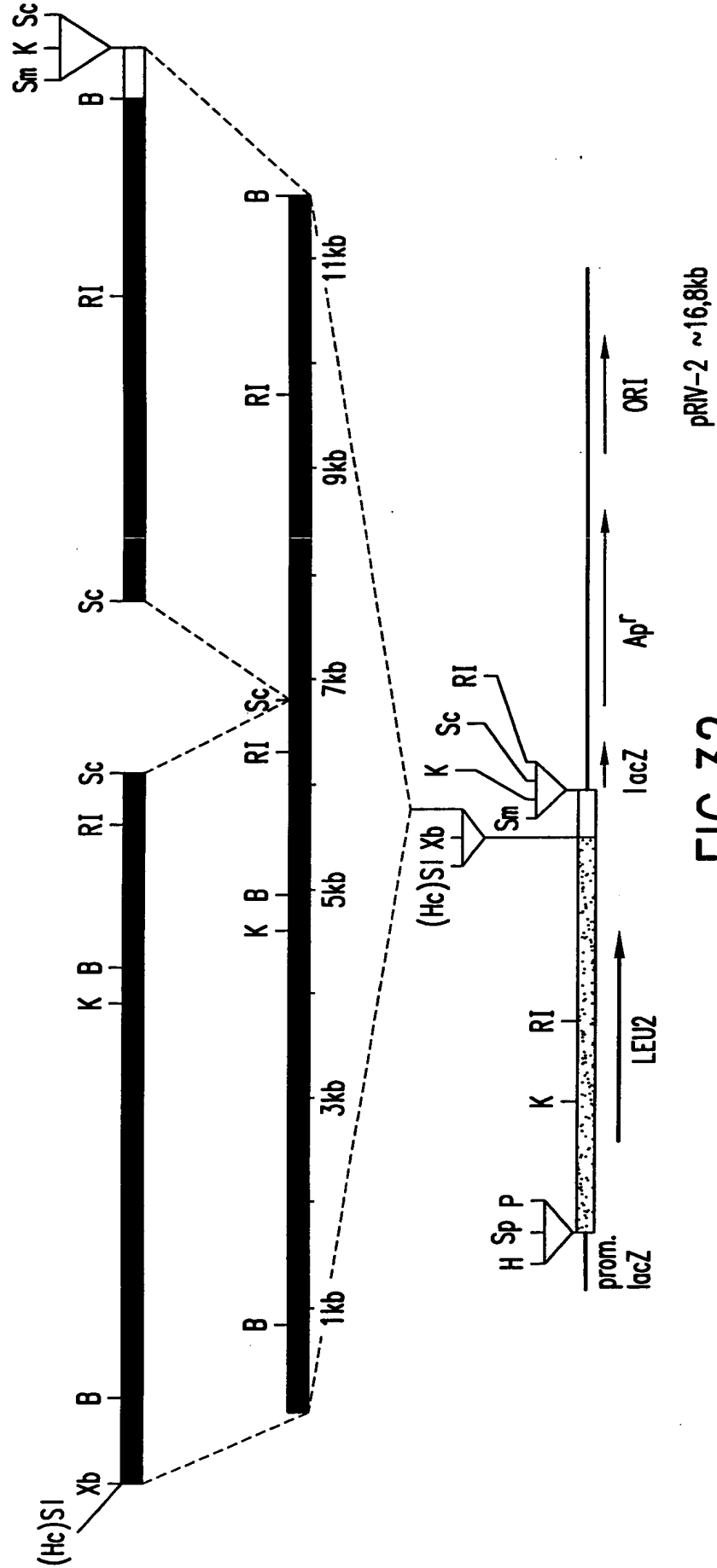


FIG.32

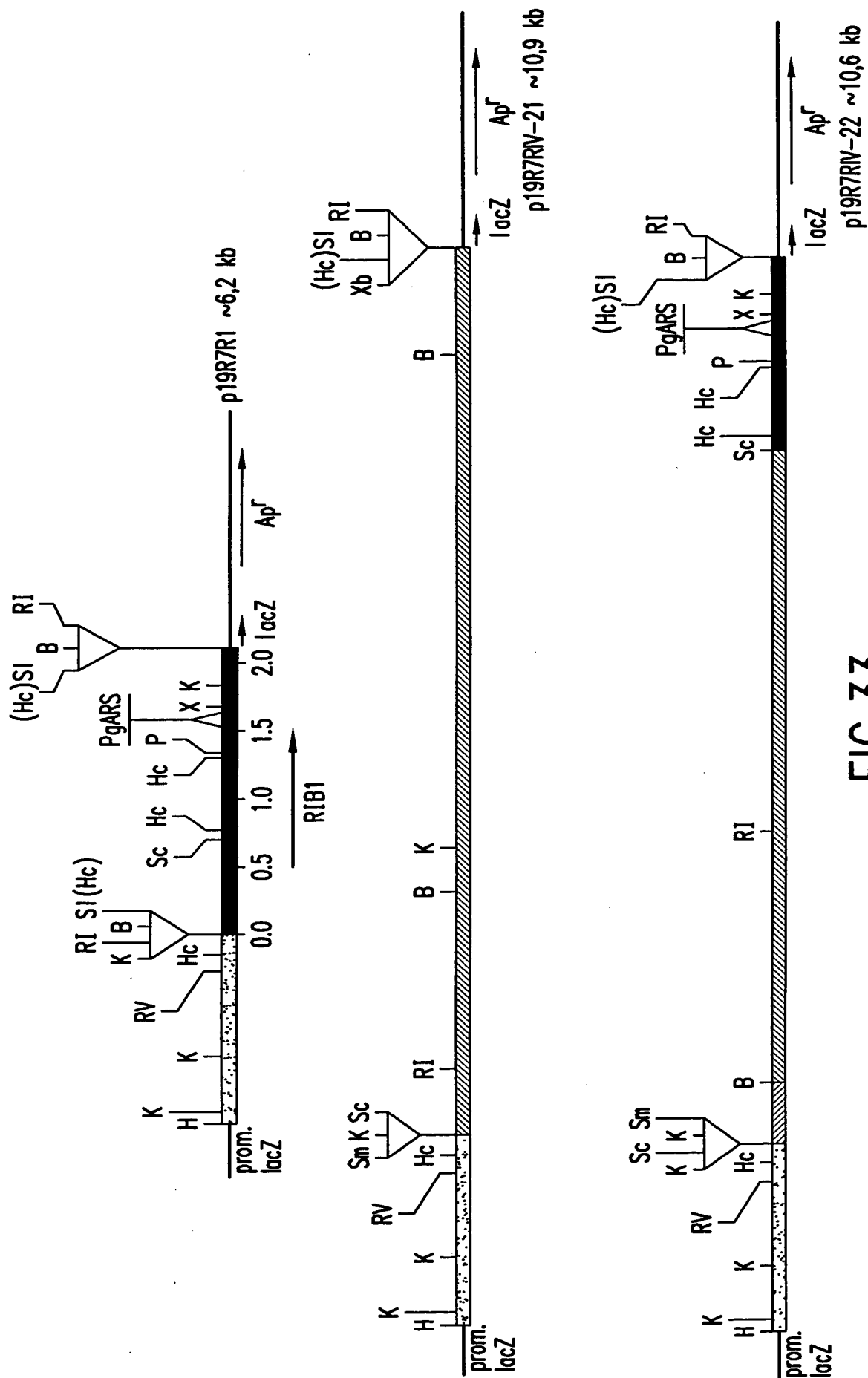


FIG.33

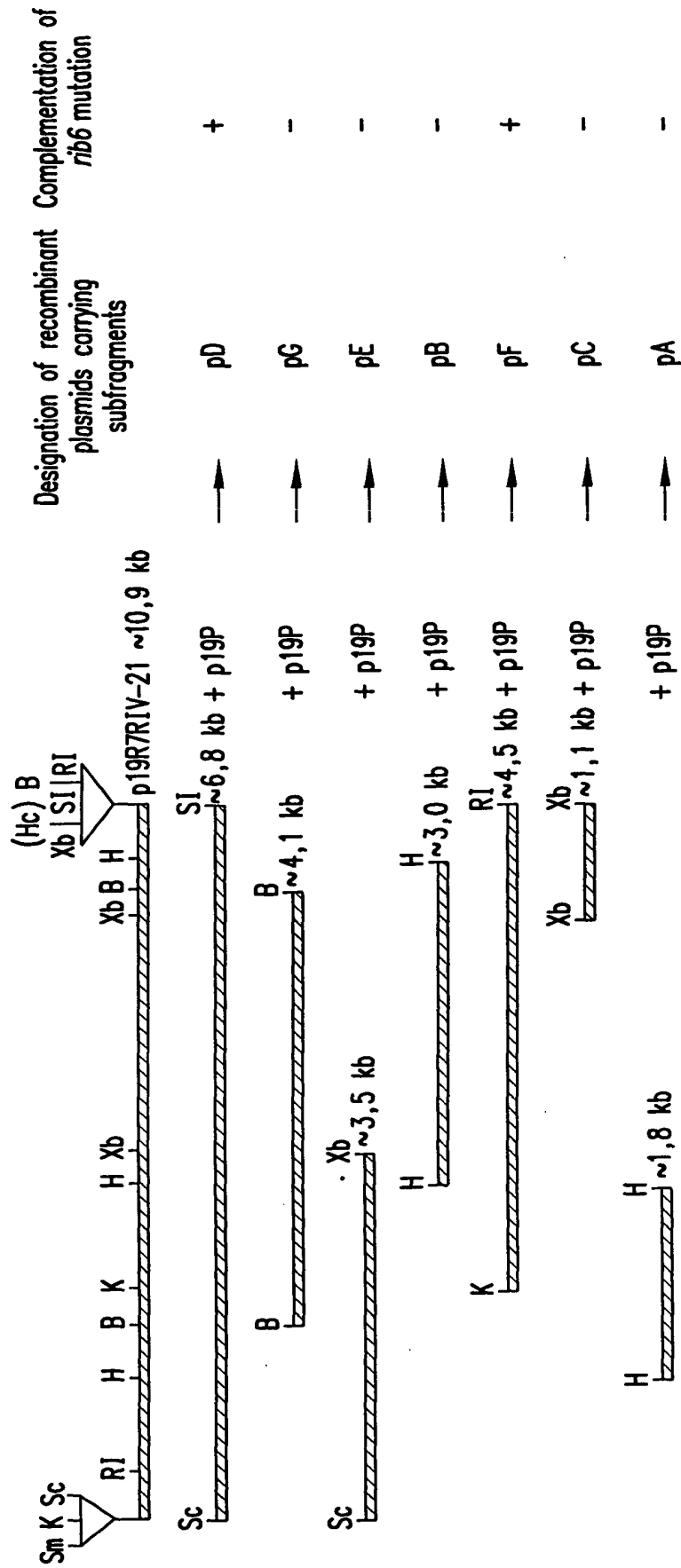


FIG.34

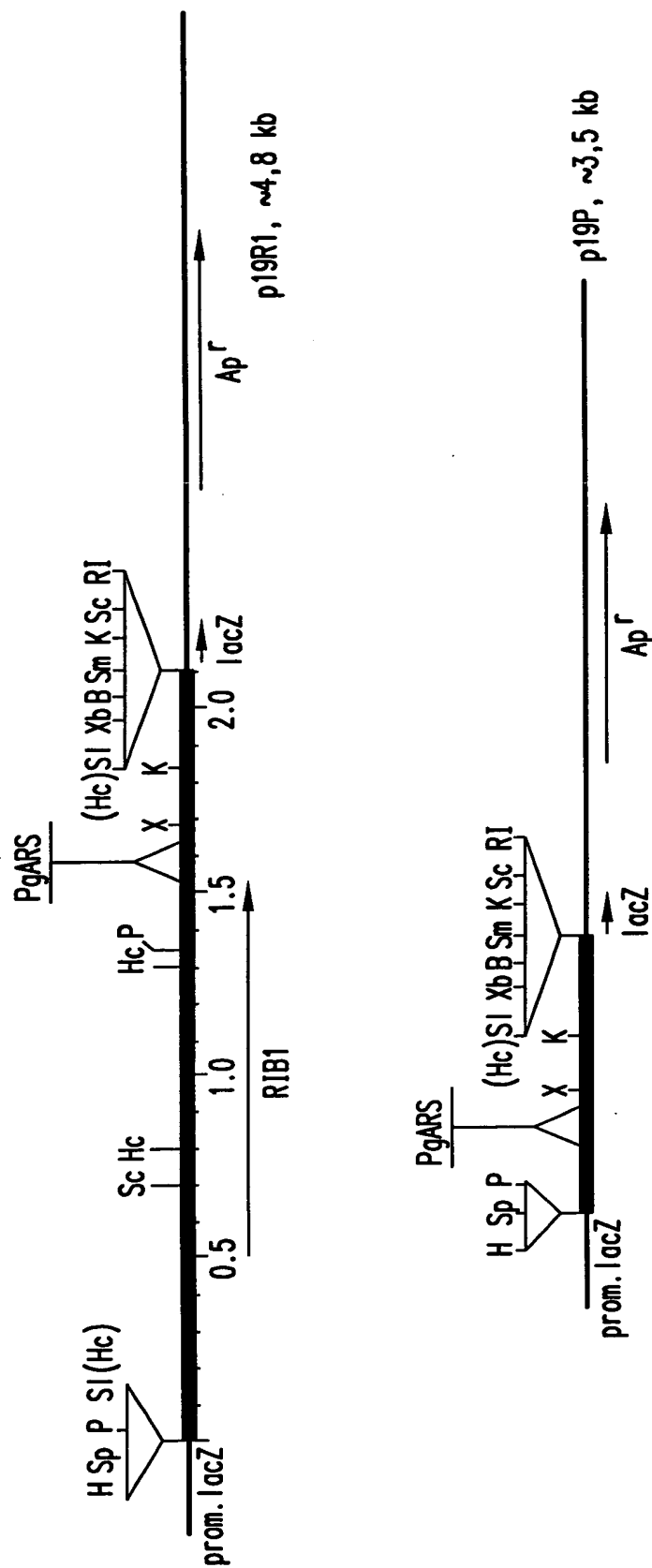


FIG.35

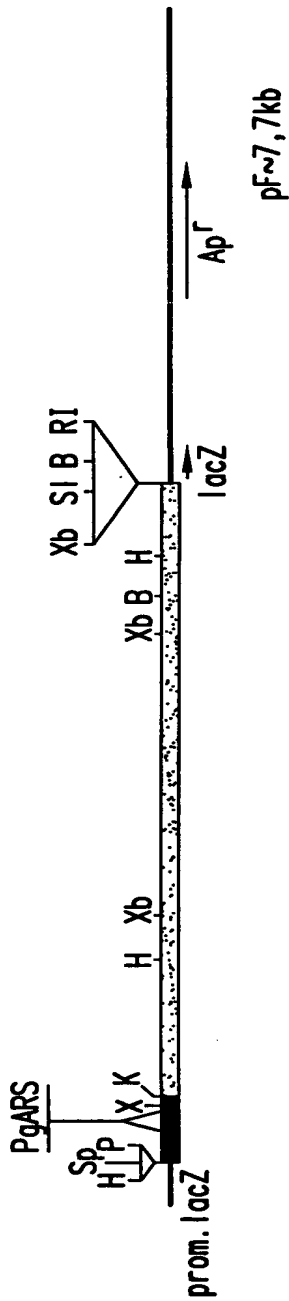


FIG.36

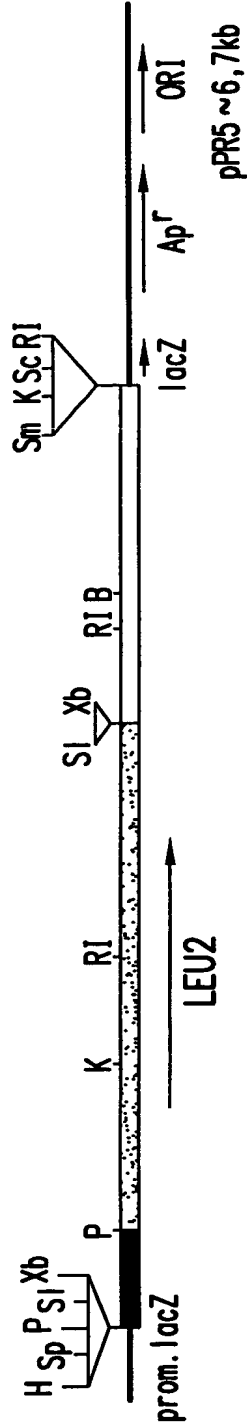


FIG.37

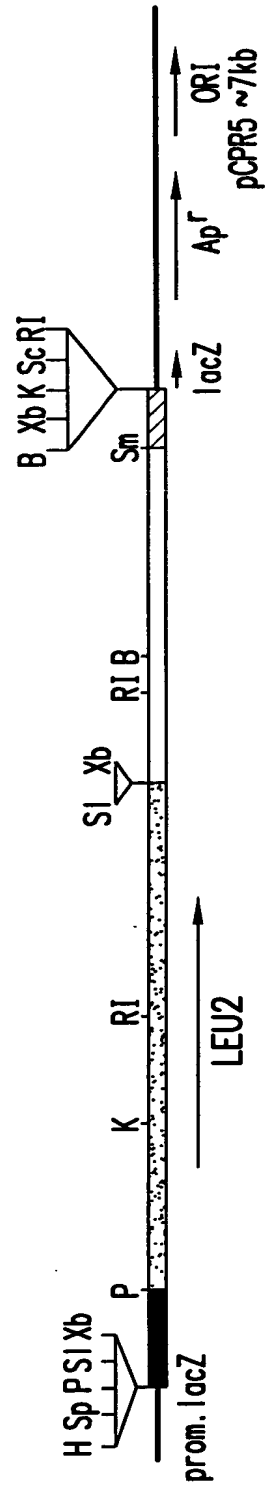


FIG.38

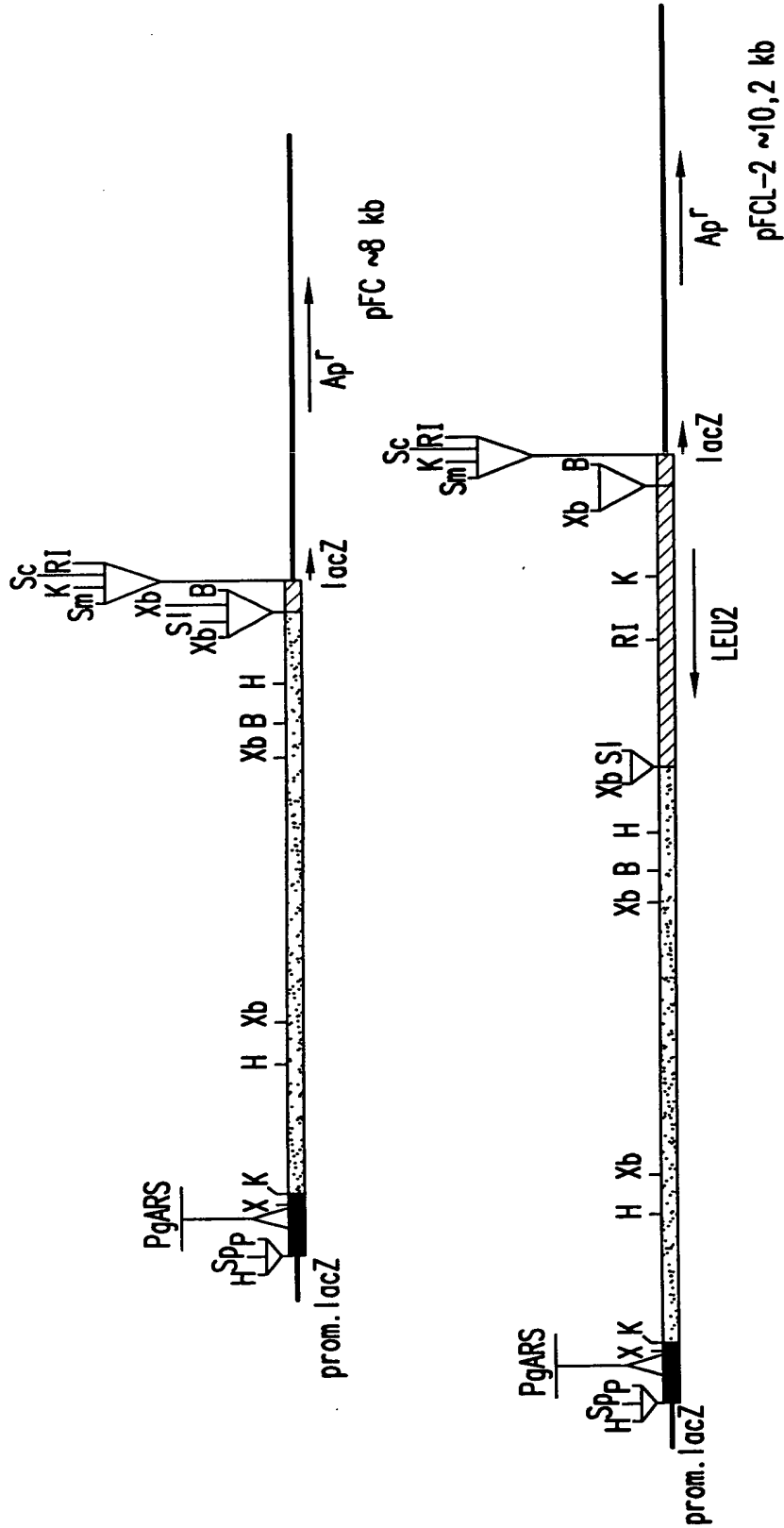


FIG.39

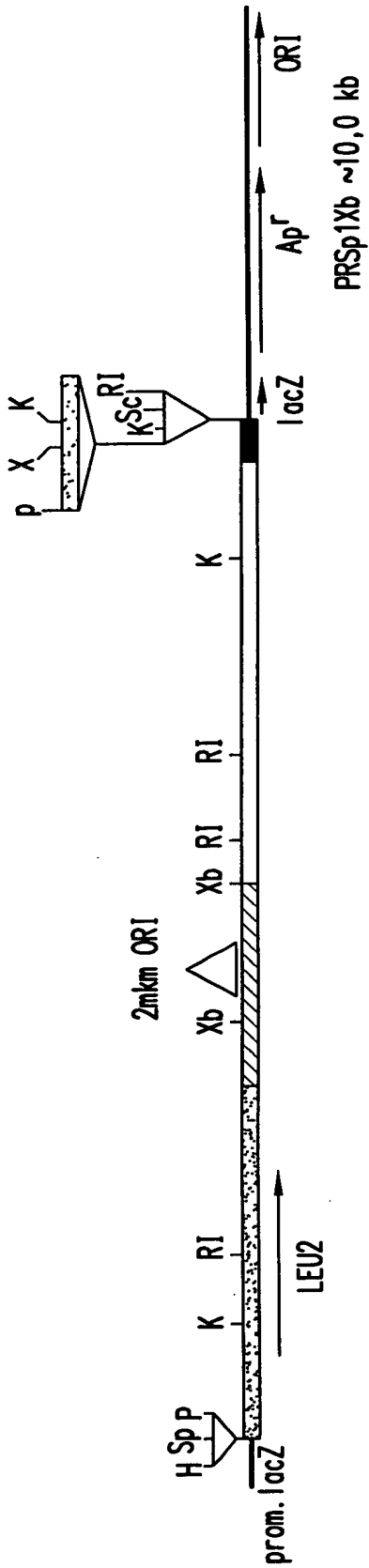


FIG.40

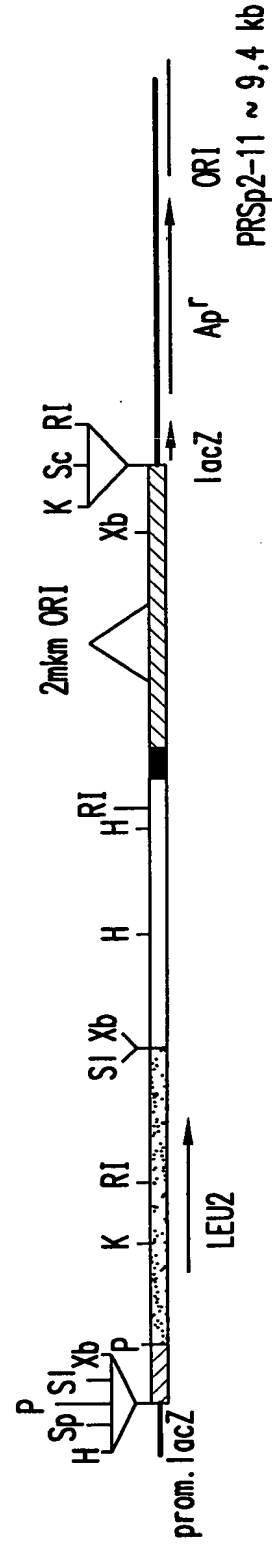


FIG.41

